WHAT IS CLAIMED IS:

1.   A method for generating a graphical representation of call-specific data in a wireless network in conjunction with Comarco and Hughes equipment, said method comprising:

    performing a first phone call using said Comarco equipment to obtain a first set of call-specific drive test data from an area covered by said wireless network, wherein said first set of data includes at least a time element of said first phone call;

    performing a second phone call using said Hughes equipment to perform an RF call trace in connection with said drive test and to obtain a second set of call-specific data, wherein said second set of data includes at least a time element of said second phone call;

    combining said first and second sets of data into a combined output file based on respective said time elements of said first and second phone calls; and

    processing said combined output file in a thematic mapping software program to provide a graphical representation of said combined output file.

2.   The method of Claim 1, wherein said call-specific data include signal strength information.

3.   The method of Claim 1, further comprising performing said second phone call from a switch location in said wireless network.

4.   The method of Claim 1, wherein said combined output file includes call-specific data selected from the group consisting of Time, Latitude, Longitude, Forward Signal Strength, Reverse Signal Strength, Forward BER, and Reverse BER.

5.   The method of Claim 1, further comprising generating said graphical representation based on signal strength data.

6.   The method of Claim 1, wherein said graphical representation is color-coded to reflect one or more levels of signal strength depicted on said graphical representation.

7.   A computer-readable medium containing instructions for generating a graphical representation of call-specific data in a wireless network in conjunction with Comarco and Hughes equipment, said method comprising:

instructions for performing a first phone call using said Comarco equipment to obtain
5   a first set of call-specific drive test data from an area covered by said wireless network, wherein said first set of data includes at least a time element of said first phone call;

instructions for performing a second phone call using said Hughes equipment to perform an RF call trace in connection with said drive test and to obtain a second set of call-specific data, wherein said second set of data includes at least a time element of said second
10   phone call;

instructions for combining said first and second sets of data into a combined output file based on respective said time elements of said first and second phone calls; and

instructions for processing said combined output file in a thematic mapping software program to provide a graphical representation of said combined output file.
15

8.   The medium of Claim 7, wherein said call-specific data include signal strength information.

9.   The medium of Claim 7, further comprising instructions for performing said second
20   phone call from a switch location in said wireless network.

10.   The medium of Claim 7, wherein said combined output file includes call-specific data selected from the group consisting of Time, Latitude, Longitude, Forward Signal Strength, Reverse Signal Strength, Forward BER, and Reverse BER.
25

11.   The medium of Claim 7, further comprising generating said graphical representation based on signal strength data.

12.   The medium of Claim 7, wherein said graphical representation is color-coded to
30   reflect one or more levels of signal strength depicted on said graphical representation.

13. A system for generating a graphical representation of call-specific data in a wireless network in conjunction with Comarco and Hughes equipment, said method comprising:

drive test equipment for performing a first phone call using said Comarco equipment to obtain a first set of call-specific drive test data from an area covered by said wireless

5   network, wherein said first set of data includes at least a time element of said first phone call;

switch equipment for performing a second phone call using said Hughes equipment to perform an RF call trace in connection with said drive test and to obtain a second set of call-specific data, wherein said second set of data includes at least a time element of said second phone call;

10   a processor for combining said first and second sets of data into a combined output file based on respective said time elements of said first and second phone calls; and

a processor for processing said combined output file in a thematic mapping software program to provide a graphical representation of said combined output file.

15   14. The system of Claim 13, wherein said call-specific data include signal strength information.

15. The system of Claim 13, further comprising a switch for performing said second phone call.

20

16. The system of Claim 13, wherein said combined output file includes call-specific data selected from the group consisting of Time, Latitude, Longitude, Forward Signal Strength, Reverse Signal Strength, Forward BER, and Reverse BER.

35